

## Pacific Islands - Online Climate Outlook Forum (OCOF) No. 104

**Country Name: SOLOMON ISLANDS**

### TABLE 1: Monthly Rainfall

Station (include data period)			April 2016				
	February 2016 Total	March 2016 Total	Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking
Auki (1962 – 2016)	482	469	384	212	265	250	50 of 55
Henderson (1975 – 2016)	693	499	317	108	182	152	38 of 42
Honiara (1954 – 2016)	382	180	265	139	203	160	51 of 62
Kirakira (1965 – 2016)	326	176	260	207	328	234	27 of 50
Lata (1975 – 2016)	537	358	274	268	372	323	16 of 41
Munda (1962 – 2016)	534	307	448	229	300	267	50 of 55
Taro (1975 – 2016)	146	172	250	232	361	295	17 of 41

### TABLE 2: Three-monthly Rainfall February 2016 to April 2016

[Please note that the data used in this verification should be sourced from table 3 of OCOF #99]

Station	Three-month Total	33%tile Rainfall (mm)	67%tile Rainfall (mm)	Median Rainfall (mm)	Ranking	Forecast probs.* (include LEPS)	Verification* (Consistent, Near-consistent, Inconsistent?)
Auki (1962 – 2016)	1335	914	1102	1024	51 of 55	50/17/33(-1.4)	In consistent
Henderson (1975 – 2016)	1509	610	795	695	42 of 42	80/19/1 (23.5)	In consistent
Honiara (1954 – 2016)	827	665	863	795	36 of 62	88/10/2(20.9)	Near consistent
Kirakira (1965 – 2016)	763	869	1102	996	13 of 48	80/19/1(25.8)	Consistent
Lata (1975 – 2016)	1170	1036	1276	1170	21 of 41	59/39/2(18.7)	Near consistent
Munda (1962 – 2016)	1289	953	1134	1043	45 of 55	12/47/40(1.3)	Near Consistent
Taro (1975 – 2016)	568	784	934	815	6 of 40	35/60/52(5.2)	Near Consistent

Period: \*below normal/normal/above normal

Predictors and Period used for February to April 2016 Outlooks (refer to OCOF #99):

**Predictor: 1 month NINO3.4 Extended SST Anomalies December 2015.**

\* Forecast is consistent when observed and predicted (tercile with the highest probability) categories coincide (are in the same tercile).

Forecast is near-consistent when observed and predicted (tercile with the highest probability) differ by only one category (i.e. terciles 1 and 2 or terciles 2 and 3).

Forecast is inconsistent when observed and predicted (tercile with the highest probability) differ by two categories (i.e. terciles 1 and 3).

**TABLE 3: Seasonal Climate Outlooks using SCOPIIC for June to August 2016.**

**Predictors and Period used: 1 month NINO3.4 Extended SST Anomalies April 2016.**

Station	Below Median (prob)	Median Rainfall (mm)	Above Median (prob)		LEPS	Hit-rate
Auki	47	608	53		-1.8	50.9
Henderson	70	250	30		1.3	58.5
Honiara	50	274	50		-1.7	8.5
Kirakira	75	885	25		3.0	64.6
Lata	56	993	44		-2.1	53.7
Munda	40	844	60		-1.2	61.1
Taro	60	873	40		-1.8	54.1

Station	Below Normal (prob)	33% ile rainfall (mm)	Normal (prob)	66% ile rainfall (mm)	Above Normal (prob)	LEPS	Hit-rate
Auki	35	555	17	682	48	-2.0	30.2
Henderson	61	231	19	314	20	1.2	48.8
Honiara	37	236	24	330	39	-2.2	18.6
Kirakira	85	711	6	991	9	12.5	52.1
Lata	56	858	10	1188	34	-0.3	43.9
Munda	22	754	30	979	48	0.1	44.4
Taro	22	817	52	916	26	-2.2	27.0

**TABLE 4: Seasonal Climate Outlooks using POAMA2 for June to August 2016.**

Station	Lower Tercile (prob)	33% ile rainfall (mm)	Middle Tercile (prob)	66% ile rainfall (mm)	Upper Tercile (prob)		
Honiara	18	199	9	307	73		
Kirakira	18	544	5	909	77		
Lata	18	762	12	1227	70		
Munda	21	728	5	988	74		
Taro	49	748	18	898	33		

## **Summary Statements**

### **Rainfall for April 2016:**

Rainfall is normal to above normal for most parts of the country during the month.

Above normal rainfall was observed in the central region and normal in the eastern region. For the western region, Munda recorded above normal rainfall and normal for Taro.

Munda recorded the highest rainfall of 448 mm and Taro recorded the lowest rainfall of 250 mm for the month.

### **Accumulated rainfall for February to April 2016, including outlook verification:**

Below normal rainfall was forecasted for most parts of the country.

Observed rainfall at Kirakira in the eastern region was Consistent. Honiara in the central region, Lata in the eastern region as well as Munda and Taro in the western region were near consistent. Auki and Henderson in the central region were In- Consistent.

Above normal rainfall was recorded at Auki and Munda, normal at Honiara and Lata and below normal at Kirakira and Taro.

### **Outlooks for June to August 2016:**

#### **1. SCOPIC:**

The outlook favours below normal rainfall for Henderson, Kirakira and Lata, normal for Taro, normal to above normal for Honiara and above normal for Auki and Munda.

#### **2. POAMA:**

The rainfall outlook for Taro is likely to be below normal and above normal for Honiara, Kirakira Lata and Munda.

**NB: The X LEPS % score has been categorised as follows:**

Very Low:  $X < 0.0$

Low:  $0 \leq X < 5$

Moderate  $5 \leq X < 10$

Good:  $10 \leq X < 15$

High:  $15 \leq X < 25$

Very High:  $25 \leq X < 35$

Exceptional:  $X \geq 35$